

Mobile Application Security Testing (MAST)

A QinetiQ Cyber Security Service

Key Benefits

- In-depth security testing, more comprehensive than relying on App store checks.
- Rigorous test process covering malware, trackers, endpoints, excessive permissions and resource usage.
- Checks for data leakage.
- Subscription service can alert to app changes that affects the security risk profile.

The widespread adoption of mobile devices and applications (apps) across organisations presents an increasingly serious but often overlooked threat vector for cyber attack. Even well-known mobile apps can hide potentially damaging vulnerabilities that can be exploited to cause an organisation significant harm.

Regular and rigorous security testing of mobile apps should now be a critical part of any organisation's overall security strategy. This is where we can help.

Our unique MAST service offers comprehensive testing of mobile apps and devices to highlight the potential risks and issues for our customers and their organisations.

The QinetiQ Approach

Our MAST service is designed to 'lift the bonnet' to help organisations understand what apps are doing behind the user interface and help security and IT teams understand their mobile app risk profile.

The service has four levels:

- **Standard** – automated test with a single report so that security and IT teams can interpret the findings.
- **Enhanced** – includes the standard tests with more tailored reporting to your organisational profile.
- **Custom –** useful for developers and high assurance apps testing the app and supporting infrastructure, scoped accordingly.
- **Subscription –** test multiple apps as they are updated with the capability to monitor app stores. Dynamic outputs with dashboards report changes that affect the app risk profile.

QINETIQ IN CONFIDENCE

QinetiQ's MAST service has been used by many public and private sector customers for almost a decade, working alongside our Security Health Check (SHC) team to continue a strong heritage of innovation, leading the way in testing all facets of security by challenging the normal penetration testing paradigm. The MAST service identifies those attack vectors which may be overlooked by IT teams who often assume that the app stores test mobile apps sufficiently.

QinetiQ's SHC team has a strong heritage of innovation and continues to lead the way by challenging the normal penetration testing paradigm.

SHC understand that the most accurate way to prove whether processes and defensive systems can detect, identify and respond to incidents is to emulate real world cyber-attacks using real-world informed incidents that are not limited to a single application or system.

By emulating real world threat actors SHC enable our customers to see the real effect of the attack tools and techniques, highlighting where the customer needs to concentrate their network defence measures and monitoring.

- Expert simulation of real-world threat actors and methods.
- More than two decades of experience and innovation.
- Client confidentiality and discretion.
- All staff hold UK security clearances.

Service summary

Threat Intelligence

QinetiQ's own Threat Intelligence team produce a technical report to inform our SHC and MAST specialists of the tools and technologies used by threat actors specifically for the target organisation. Our tests are regularly updated as tools, techniques, tactics and procedures change.

Infrastructure Testing

Custom testing can simulate an external attack, giving an organisation a view of its exposure to multiple attack groups, and allowing customers to gauge whether their current security architecture gives them sufficient protection.

Application Testing

Application tests assess the threat to published applications from both authenticated and unauthenticated attackers. Testing will look at many areas of potential concern including:

1. Malware
2. Permissions Analysis
3. Tracker
4. Functional Analysis
5. Network Analysis
6. Behavioural Analaysis
7. Source code Analysis
8. Battery Dishcharge Test
9. CPU & Memory Monitor Test
10. GDPR Analysis

Other QinetiQ Cyber Services

This service forms part of a wider service portfolio, which seeks to help organisations mature their digital resilience and to help build confidence in their ability to deal with cyber-attacks, through a holistic approach.

This service is a sub-service of **Security Testing.**

Why QinetiQ Cyber

- Unmatched team of security vetted, expert cyber consultants, architects, engineers and human-performance scientists.
- Unique experience and patented intellectual property in securing the world's most complex, safety-critical environments.
- Cyber Scheme assessed professionals, registered with the UK Cyber Security Council and NCSC.

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